The American Journal of Medicine

Editor: ALEXANDER B. GUTMAN, M.D. Professor of Medicine

COLUMBIA UNIVERSITY COLLEGE OF PHYSICIANS AND SURGEONS, NEW YORK DIRECTOR, DEPARTMENT OF MEDICINE, THE MOUNT SINAI HOSPITAL, NEW YORK

Assistant Editors: Mortimer E. Bader, m.d. and Richard A. Bader, m.d. the mount simal hospital, new york

Managing Editor: Helena B. Mannion, New York

ADVISORY BOARD

A. McGehee Harvey, M.D., Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore; Carl V. Moore, M.D., Professor of Medicine, Washington University School of Medicine, St. Louis; DeWitt Stetten, Ph.D., M.D., Dean, Rutgers Medical School, New Brunswick, N. J.; George W. Thorn, M.D., Professor of Medicine, Harvard Medical School, Boston.

ASSOCIATE EDITORS

GEORGE E. BURCH, M.D., New Orleans; CHARLES H. BURNETT, M.D., Chapel Hill, N. C.; CHARLES S. DAVIDSON, M.D., Boston; J. Russell Elkinton, M.D., Philadelphia; Halsted R. Holman, M.D., Palo Alto; Robert M. Kark, M.D., Chicago; Henry G. Kunkel, M.D., New York; Irving M. London, New York; Carl M. Pearson, M.D., Los Angeles; J. E. Rall, M.D., Bethesda; George E. Schreiner, M.D., Washington, D. C.; Donald W. Seldin, M.D., Dallas; Lloyd H. Smith, Jr., M. D., San Francisco; Lawrence E. Young, M.D., Rochester, N. Y.

Volume 42 JANUARY TO JUNE 1967

Published by

THE REUBEN H. DONNELLEY CORPORATION
466 Lexington Avenue, New York, New York 10017

COPYRIGHT @ 1967

BY THE REUBEN H. DONNELLY CORPORATION

All rights reserved. No parts of the contents of this publication may be reproduced or distributed without the prior written consent of the publisher.

Printed in the United States of America

AUTHOR INDEX TO VOLUME 42

Abrams, H., 228 Adlercreutz, H., 335, 341 Alepa, F. P., 58 Ånberg, Å., 335, 341 Andersen, V., 449 Anton, A. H., 469 Appel, S. H., 163 Arbesman, C. E., 441 Aufses, A. H., Jr., 838 Aurbach, G. D., 1 Aviram, A., 648 Azwadzki, Z. A., 67

Bader, M. E., 487 Bader, R. A., 487 Balcerzak, S. P., 891 Bannerman, R. M., 476 Baron, M. G., 838 Barrett-Connor, E., 859 Barry, P. E., 27 Bartter, F. C., 642, 790 Barza, D., 968 Bencosme, S. A., 844 Bennett, C. M., 777 Berger, E. Y., 359 Berliner, R. W., 777 Biel, F., 388 Bouronocle, B. A., 314 Bove, K. E., 539 Bowyer, A. F., 189 Bricker, N. S., 457 Brown, H., 9 Brown, S., 828 Buch, N. H., 449 Buchanan, J. G., 1003 Burda, C. D., 293 Burke, G., 600 Burnell, J. M., 435

Calcianio, A., 228
Carbone, P. P., 937
Carleton, R. A., 189, 532
Carrasco, J., 636
Chester, E. H., 554
Christian, C. L., 882
Chuck, G., 139
Churg, J., 487
Chuttani, K. H., 852
Coburn, J. W., 273
Coggins, C. H., 807
Cooke, W. T., 220, 899
Costea, N., 630
Cox, E. V., 220
Crabbé, P. A., 319

Cuppage, F. E., 314 Czaczkes, J. W., 648

Dahrling, B. E., II, 327 Daughaday, W. H., 146 Davis, R. P., 159 Davis, W. W., 642 Dawber, T. R., 27 De Groote, J., 913 de Leon, Jr., A. C., 179 Diamond, R., 9 Dock, W., 617 Drutz, D. J., 208 Dymling, J.-F., 977

Easton, J., 642 Edwards, G. A., 67 Efron, M. L., 9 Egan, T. J., 378 Emerson, C. P., 868 Estes, J. W., 868

Favara, B. E., 196 Fields, B. N., 89 Fowler, N. O., 539 Frenkel, E. P., 923

Gadboys, H. L., 838 Gall, E. A., 348 Garancis, J. C., 139 Garr, W. R., 189 Gehan, E. A., 937 Girard, J. P., 441 Godfrey, E. H., 163 Goetz, F. C., 146 Gonatas, N. K., 169 Goodwin, R. S., 248 Gordon, E. E., 582 Gordon, M., 567 Gorlin, R., 512 Gould, L., 636 Graettinger, J. S., 189, 532 Green, D., 151 Greer, M., 469 Gulati, P. D., 852 Gupta, D. N., 852 Gutman, R. A., 435 Guttman, A. B., 636

Hall, A. P., 27 Hamburger, M. H., 539 Hammond, E. C., 487 Hammond, W. G., 642

Hanashiro, P. K., 189 Hanauer, L. B., 882 Handa, S. P., 844 Handler, J., 757 Harrah, J. L., 378 Harris, O. D., 899 Haurani, F. I., 151 Heirwegh, K. P. M., 913 Heller, P., 630 Heremans, J. F., 319 Hill, R. B., 327 Himrod, B., 302 Hobbs, C., 273 Holliday, M. A., 378 Horwith, M., 977 Howell, R. R., 58 Hsi, B. P., 554 Hug, G., 139 Hultgren, H., 228

Januszko, D. M., 582 Jarrah, A. S., 378 Jensen, M. K., 449 Johnston, G. S., 273

Kanzaki, G., 359 Kaufman, L., 582 Kellerhouse, L. E., 937 Kessler, J. I., 968 Keusch, G., 476 Kevy, S., 196 Killman, S. Å., 449 Kipkie, G. F., 844 Klahr, S., 457 Klein, M. D., 512 Klinenberg, J. R., 58 Kobayashi, S., 441 Koenig, M. G., 208 Kreimer-Birnbaum, M., 476 Kuida, H., 497 Kurkel, H. G., 958 Kunz, L. J., 89 Kunz, M. L., 441 Kuster, G., 388

Lauson, H. D., 713 Leaf, A., 745, 807 Lee, R. E., 891 Leighton, R. F., 248 Levin, H. S., 248 Levine, I. M., 868 Lewis, R. J., 620 Libnoch, J. A., 630 Lyon, A. F., 636

1018

Maclachlan, M. J., 38 McLachlan, E. M., 1003 McNamara, P. M., 27 Maher, J. F., 284 Massry, S. G., 284 Mautalen, C. A., 977 Meilman, E., 986 Meynell, M. J., 220 Miller, M., 968 Minkowitz, S., 828 Mishkin, M. M., 163 Mishkin, S., 968 Mitchell, M. M., 547 Mitchell, P. L., 986 Morley, T. J., 868 Morrin, P. A. F., 844 Morris, C. R., 378 Morse, B. S., 996 Moser, H. W., 9 Moses, A. M., 368 Mullinax, F., 302 Mullinax, G. L., 302 Mushlin, A. I., 208

Neumann, C. G., 9 Newsome, H. H., Jr., 642 Nicklaus, T. M., 547 North, J. D. K., 1003 Northam, B. E., 220 Nussbaum, M., 996

O'Doherty, D., 179 Oikawa, Y., 348 Orloff, J., 757

Payne, C. B., Jr., 554 Pecikyan, R., 359 Perloff, J. K., 179 Pfau, A., 648 Pilz, C. G., 630 Platt, F., 228 Porter, E. G., 196 Porter, M. J., 412 Potts, J. T., Jr., 1

Author Index

Preuss, H. G., 284

Ranboer, C., 913 Renzetti, A. D., Jr., 547 Richert, J. H., 273 Richmond, D. E., 1003 Rieselbach, R. E., 457 Rifkind, D., 327 Roberts, W. C., 179 Robertson, M. D., 1011 Rodnan, G. P., 38 Rogers, D. E., 208 Rose, N. R., 441 Rosen, S., 273 Rosin, J. M., 625 Rubin, E. H., 567 Rudinger, J., 653 Ryan, J. M., 248

Sachs, H., 687 Safran, A. P., 838 Saphir, R., 861 Sawyer, W. H., 678 Sayre, D. F., 469 Schaefer, J. W., 348 Schaffner, F., 838 Schaffner, W., 208 Schechter, E., 309 Schiff, L., 348 Schmidt, A. M., 497 Schreiner, G. E., 284 Schubert, W. K., 139 Schwartz, I. L., 651, 653, 769 Schwartz, W. B., 651, 790 Scott, P. J., 1003 Seegmiller, J. E., 58 Selikoff, I. J., 487 Selmanowitz, V. J., 412 Share, L., 701 Shinaberger, J. H., 273 Shy, G. M., 163 Siegel, J. S., 309 Silberberg, D. H., 163 Smith, E. J., 314

Smith, F., 1003 Solomon, A., 958 Spaet, T. H., 620 Spivack, M., 620 Starzl, T. E., 327 Streeten, D. H. P., 368 Sullivan, J. M., 512 Svanborg, A., 335, 341 Swartz, M. N., 89

Thelmo, W. L., 567 Thompson, H., 899 Thorne, J. L., 497 Tikoff, G., 497

Ullman, T. D., 648 Uwaydah, M. M., 89

Valberg, L. S., 844 Valtin, H., 814 Vance, V. K., 476 Vaughan, S., 476 Vawter, G. F., 196

Wagner, R., 196
Wakim, K. G., 394
Wallach, S., 828
Walter, R., 653, 769
Watanabe, S., 547
Waterhouse, J. A. H., 899
Westerman, M. P., 891
White, M. G., 146
Williams, C. M., 469
Winder, P. R., 293
Wood, T. A., 923
Wooley, C. F., 248
Wright, L. D., Jr., 642
Wyllie, J. C., 844

Yakulis, V. J., 630

Zawadzki, Z. A., 67 Zimmerman, T. S., 146 Zoneraich, S., 617

SUBJECT INDEX TO VOLUME 42

(CPC) = Clinicopathologic Conference; (E) = Editorial; (CSC) = Combined Staff Clinic

Abdominal aortic aneurysm, spontaneous rupture into inferior vena cava, successful of repair, 1011

Abdominal mass, rapidly enlarging, complicating polycythemia vera (CPC), 949

Abetalipoproteinemia and acanthocytosis, 868

Abscess, amoebic liver, and disturbances of portal circulation, 852

Acanthocytosis syndrome, new hereditary, 868 Acid-base balance, a Gibbsian view of (E), 159 Acidosis

paraldehyde, 435

renal tubular, after cadaver kidney homotransplantation, 284

Aciduria, argininosuccinic, and mental retardation, 9 Addison's disease presenting as lymphocyte dyscrasia, 855 Adenosine 3,5'-phosphate, role in action of antidiuretic hormone, 757

ADH

see antidiuritic hormones

Adrenal hyperplasia, bilateral, cause of primary aldosteronism, 642

Airway responsiveness in obstructive pulmonary disease, 554

Alcohol, effects on serum uric acid and gout, 38

Aldosteronism, primary, and bilateral adrenal hyperplasia, 642

Amyloidosis, deafness and urticaria, 449

Anemia

idiopathic hypochromic, response to testosterone therapy, 151

of scurvy, 220

Aneurysm,

abdominal aortic, spontaneous rupture into inferior vena cava, 1011

ventricular, correlative study of, 512

Angiokeratoma corporis diffusum universale in female subjects, 293

Antibody response to penicillin, 441

Antidiuretic hormones,

chemistry and structure of, 653, 853

evolution and function of, 678

membrane effects of, 745

metabolism of, 713

role of adenosine 3,5'-phosphate in action of, 757 source, mode and locus of action reassessed, 394

symposium on, 651-827

syndrome of inappropriate secretion of, 790

Antivenoms, potency of (CSC), 107

Anuria, complete, recovery from, in fatty liver of pregnancy, 844 Aortic valve perforation, 539

Argininosuccinic aciduria, intermittent elevations of blood ammonia in, 9

Arteriography, coronary, clinical evaluation of, 228

Arthritis, gouty, in Framingham population, 27

Asbestosis and neoplasia (E), 487

Ascorbic acid therapy in anemia of scurvy, 220
Atrial septal and large ventricular septal defects, 497

Atrial systole, role in mitral stenosis, 532

Atypical lymphocyte, 923

Bacteria, paracolon, reappraisal of, 89

Bacterial endocarditis, aortic valve perforation and congestive failure in, 539

Bee sting (CSC), 107

Bence Jones proteins

in multiple myeloma, 937

in plasma cell leukemia, 302

Biosynthesis of vasopressin, 687

Blood ammonia levels in argininosuccinic aciduria, 9

Botulism, type B, in man, 208

Brain disease, progressive, liver phosphorylase deficiency and increased hepatic glycogen and urinary catecholamines, 139

Bronchitis, chronic, airway responsiveness in, 554

Bronchodilators in chronic obstructive pulmonary disease, 554

Budd-Chiari syndrome caused by web in inferior vena cava, 838

Cadaver kidney homotransplantation followed by renal tubular acidosis, 284

Calcium infusion, prolonged, effect on pseudohypoparathyroidism, 977

Carbohydrate metabolism and hyperuricemia, 58

Carcinoma

endometrial, treated by pelvic exenteration (CPC), 423 gastrointestinal, complication of celiac disease and steatorrhea, 899

Cardiac failure

see Heart

Catecholamine

metabolism and malignant pheochromocytoma, 469 urinary, in child with progressive brain disease and liver phosphorylase deficiency, 139

Celiac disease, adult, malignancy in, 899

Cerebroside, study of, in Gaucher's disease, 891

Chest pain following cholecystectomy (CPC), 423

Cholecystectomy followed by shock, chest pain, urinary tract infection and convulsions (CPC), 423

Cholestasis, intrahepatic, in pregnancy, 335, 341

Chromatographic separation and identification of purine and pyrimidine metabolites in human urine, 913

Chromosomal abnormality

in amyloidosis, 449

in periarteritis nodosa and macroglobulinemia, 1003 Cineventriculography in diagnosis of ventricular

aneurysm, 512

Cirrhosis

hepatic, spontaneous natriuresis in, 359

of liver and amoebic liver abscess, 852

of liver, electrolyte excretion during recovery from, 359 postnecrotic, and acute hepatitis, 348

Clinicopathologic Conferences

A sixty-three year old woman with fulminant meningitis and convulsions, 264

A twenty-two year old woman with hemoptysis and increasing dyspnea of two years' duration, 609

Endometrial carcinoma treated by pelvic exenteration; cholecystectomy followed by shock, chest pain, urinary tract infection and convulsions, 423

Mycosis fungoides with pulmonary and neurologic complications, 129

Polycythemia vera complicated by acute leukemia and rapidly enlarging mass in left upper abdominal quadrant, 949

Combined Staff Clinic

Poisoning by venomous animals, 107

11S component, clinical studies of, 882

Congenital ichthyosiform erythroderma in Sjögren-Larsson syndrome, 412

Congenital lesion—partial absence of right ventricular musculature, 636

Congenital stricture of hepatic segment of inferior vena cava in Budd-Chiari syndrome, 838

Convulsions

and fulminant meningitis (CPC), 264 following cholecystectomy (CPC), 423

Coronary arteriography, clinical evaluation of, 228

Coronary artery stenosis cause of diastolic murmur, 617 Corticosteroid therapy for granulomatous sarcoid nephritis, 273

Cryptococcus neoformans pulmonary infection (CPC), 129

Deafness, urticaria and amyloidosis, 449 Death after transplantation (E), 327

Diabetes insipidus, 807

hereditary hypothalamic, in rats, 814

response to hypertonic saline infusion reliable test for, 368

in thalassemia intermedia, 476

Diastolic murmur in heart failure due to hypertension and ventricular aneurysm, 617

Dihydroxyphenylalanine secretion in malignant pheochromocytoma, 469 Dopa-secreting pheochromocytoma, 469

Duchenne's progressive muscular dystrophy, distinctive electrocardiogram of, 179

du Vigneaud, Vincent, dedication of ADH symposium to, 651

Dyscrasia, lymphocyte, Addison's disease presenting as, 855

Dysimmunoglobulinemia, multiple myeloma and macroglobulinemia, 67

Dyspnea and hemoptysis in a twenty-two year old woman (CPC), 609

Editorials

Asbestosis and neoplasia, 487

Death after transplantation, an analysis of sixty cases, 327

Etiology of pellagra and its significance for modern medicine, 859

Logland: a Gibbsian view of acid-base balance, 159 Parathyroid hormone, 1

Electrocardiogram in muscular dystrophy, 179

Electrolyte excretion during recovery from ascitic phase of liver cirrhosis, 359

Emphysema

airway responsiveness in, 554

total lung capacity in, estimated by helium dilution, plethysmography and roentgenography, 547

Endocarditis, bacterial, aortic valve perforation in, 539 Endometrium, carcinoma of, treated by pelvic exenteration (CPC), 423

Enterobacteriaceae, reclassification of paracolon bacteria as members of, 89

Eosinophilia and penicillin hypersensitivity, 414 Erythroderma in Sjögren-Larsson syndrome, 412

Esophagus, carcinoma of, complication of celiac disease and steatorrhea, 899

Estrogens, study and conjugation in pregnancy, 341

Fabry's disease in female subjects, 293
Familial paroxysmal rhabdomyolysis in children, 196
Fasting, effects on serum uric acid and gout, 38
Fatty liver of pregnancy associated with acute renal failure, 844

Fibrosis

see also Myocardial fibrosis mediastinal (CPC), 609

Folate metabolism, role of ascorbic acid in, 220
Food intake, effect on serum uric acid and gout, 38
Framingham population study of gout and hyperuricemia, 27

Gamma globulin, unique monoclonal, in malignancy of plasma cell-lymphatic system, 958

Gastrointestinal carcinoma, complication of celiac disease and steatorrhea, 899

Gaucher cerebroside, study of intracellular location of, 891 Gaucher's disease, morphologic study and measurement of iron metabolism in, 891

Globulins, myeloma, two in one subject, 630 Glucose-6-phosphatase deficiency and gout, 58

Glycogen storage disease and gout, 58

Gout

and glycogen storage disease, 58 and hyperuricemia, epidemiology of, 27 effects of food, fast and alcohol on, 38

Gradient, intraventricular, reduction associated with oral guanethidine therapy, 189

Granulomatous sarcoid nephritis, 273

Granulomatosis, Wegener's, treated with Imuran, 314 Growth hormone levels in hypopituitarism, 146

Guanethidine therapy associated with intraventricular gradient reduction, 189

Guillain-Barré syndrome, mechanism of hypertension in, 986

Hamman-Rich syndrome and rheumatoid disease, 567 Heart

see also Aneurysm

Aortic valve perforation

Coronary

Idiopathic hypertrophic subaortic stenosis

Mitral stenosis

Murmurs

Myocardial fibrosis

Parchment heart

Septal defects

Stenosis

Vena cava

disease

coronary, and ventricular aneurysm, 512 intracardiac sound and pressure studies in, 248 disorder resembling Refsum's disease and Hurler's syndrome, 163, 169

failure

and large ventricular septal defects, 497 congestive, aortic valve perforation in, 539

due to hypertension and ventricular aneurysm, diastolic murmur in, 617

in thalassemia intermedia, 476

Helium dilution in estimating total lung capacity, 547 Hemodynamic role of atria with and without mitral stenosis, 532

Hemolytic complement and 11S component, 882

Hemoptysis and dyspnea in twenty-two year old woman (CPC), 609

Hemorrhage, intraperitoneal, and splenic rupture in polycythemia vera (CPC), 949

Hepatic cirrhosis

see Cirrhosis

Hepatic glycogen, increased, in progressive brain disease and liver phosphorylase deficiency, 139

Hepatic venous outflow obstruction

see Budd-Chiari syndrome

Hepatitis, acute, and postnecrotic cirrhosis, 348

Hereditary acanthocytosis syndrome, 868

Hereditary hypothalamic diabetes insipidus in rats, 814 Homotransplantation, cadaver kidney, and renal tubular acidosis, 284

Hormones

see also Antidiuretic hormones

neurohypophyseal, nomenclature for, 653

parathyroid (E), 1

Hurler's syndrome, generalized disorder of nervous and other systems resembling, 163, 169

Hyaluronic acid in nephroblastoma, 996

Hydroxyproline excretion in periostitis with hypercalcemia, 828

Hypercalcemia and peniostitis, 828

Hypercalciuria and periostitis of long bones, 828

Hyperlipemia in acute pancreatitis, 968

Hyperosmolality with hyponatremia caused by mannitol administration, 648

Hyperplasia, bilateral adrenal, cause of primary aldosteronism, 642

Hypertension

in primary aldosteronism caused by bilateral adrenal hyperplasia, 642

mechanism in Guillain-Barré syndrome, 986 pulmonary, and ventricular septal defects, 497

Hyperthyroidism, triiodothyronine suppression test in,

Hyperuricemia

and carbohydrate metabolism, 58

and glycogen storage disease, 58

and gout, epidemiology of, 27

in Framingham population, 27

Hypokalemia in aldosteronism caused by adrenal hyperplasia, 642

Hypomagnesemia and periostitis, 828

Hyponatremia with hyperosmolality caused by mannitol, 648

Hypopituitarism

growth hormone levels in, 146

in thalassemia intermedia, 476

with normal or increased height, 146

Hyposthenuria, Pitressin-resistant, in renal disease, 378

Idiopathic hypertrophic subaortic stenosis, guanethidine therapy in, 189

IgA

and IgG globulins in one subject and one cell line, 630 deficiency with steatorrhea, 319

myeloma protein in multiple myeloma, 937

IgG

and IgA globulins in one subject and one cell line, 630

myeloma protein in multiple myeloma, 937

IgM macroglobulins, low molecular weight, 958

Imuran therapy for Wegener's granulomatosis, 314

Intracardiac sound and pressure events in man, 248

Intraventricular gradient reduction associated with oral guanethidine therapy, 189

Iron

metabolism in Gaucher's disease, 891 overload in thalassemia intermedia, 476 reutilization, primary defective, 151

aundice

and steroid metabolism in pregnancy, 341 recurrent, in pregnancy, 335, 341

Kidney

disease, Pitressin-resistant hyposthenuria in, 378 failure associated with fatty liver of pregnancy, 844 homotransplantation, cadaver, followed by renal tubular acidosis, 284 mammalian, concentration of urine in, 777

scintiscan of, in granulomatous sarcoid nephritis, 273

Laparoscopy, virtues of, 388

complicating polycythemia vera (CPC), 949 plasma cell, RNA metabolism and protein synthesis in, 302

Leukoencephalopathy, multifocal (CPC), 129 Lipoprotein-triglyceride complexes, abnormal, in hyperlipemia and acute pancreatitis, 968

Liver

abscess, amoebic, and disturbances of portal circulation, 852

cirrhosis see Cirrhosis

disease, purine and pyrimidine excretion in, 913 fatty, of pregnancy associated with acute renal failure,

phosphorylase in child with progressive brain disease and increased hepatic glycogen and urinary catecholamines, 139

Lung capacity, total, estimation of, 547

Lung disease

see Pulmonary disease

Lupus erythematosus, systemic, hemolytic complement and 11S component in, 882

Lymphocyte dyscrasia, Addison's disease presenting as,

Lymphocytosis, atypical, causes of, 923

Lymphoma, complication of celiac disease and steatorrhea, 899

Macroglobulinemia

absence of clinical features in dysimmunoglobulinemia, 67

chromosome translocation in, 1003

Macroglobulins, low molecular weight, 958

yM-macroglobulins related to monoclonal type, low molecular weight protein, 958

Malabsorption syndrome

see Steatorrhea

Malignancy

in adult celiac disease and idiopathic steatorrhea, 899 of plasma cell-lymphatic system, moncclonal type, low molecular weight protein in, 958

Mannitol administration, cause of hyperosmolality with hyponatremia, 648

Mass in left upper abdominal quadrant complicating polycythemia vera (CPC), 949

Mediastinum, fibrosis of (CPC), 609

Medicine, modern, etiology of pellagra and its significance for (E), 859

Membrane effects of antidiuretic hormone, 745

Meningitis, fulminant, and convulsions (CPC), 264

Mental retardation

and argininosuccinic aciduria, 9

in Sjögren-Larsson syndrome, 412

Mitral stenosis, hemodynamic role of atria with and without, 532

Monoclonal type protein related to \(\gamma \text{M-macroglobulins} \),

Mouse inoculation test in type B botulism, 208 Mucopolysaccharide, acid, in nephroblastoma, 996 Murmur

diastolic, arising in stenosed coronary artery, 617 systolic, straight back syndrome as cause of, 309

Muscle rigidity, tonic, 582

Muscular dystrophy, electrocardiogram in, 179

globulins, two, in one subject, 630

multiple, absence of clinical features in dysimmunoglobulinemia, 67

plasmacytic, 937

proteins, classification of, 937

Mycosis fungoides with pulmonary and neurologic complications (CPC), 129

Myocardial fibrosis

and endocardial mural thrombosis (CPC), 423 in Duchenne's muscular dystrophy, 179

Natriuresis in hepatic cirrhosis, 359

Necrosis, diffuse bilateral cortical, functional characteristics of residual nephrons in, 457

Neoplasia and asbestosis (E), 487

Nephritis, granulomatous sarcoid, 273

Nephroblastoma, hyaluronic acid in, 996

Nephrons, residual, functional characteristics of, 457

Nervous system disorder resembling Refsum's disease and Hurler's syndrome, 163, 169

Neurologic complications with Mycosis fungoides (CPC),

Neuronal impairment in hereditary acanthocytosis, 868 Nomenclature for neurohypophyseal hormones, 653

Obstruction of hepatic venous outflow from congenital stricture of hepatic segment of inferior vena cava, 838

- Pancreatitis, acute, hyperlipemia in, 968
- Paracolon bacteria, reappraisal of, 89
- Paraldehyde acidosis, 435
- Parathyroid hormone (E), 1
 - purified bovine, effect on pseudohypoparathyroidism,
- Parchment heart due to partial absence of right ventricular myocardium, 636
- Pellagra, etiology and significance for modern medicine (E), 859
- Pelvic exenteration in endometrial carcinoma (CPC), 423 Penicillin
 - antibody response to, 441
 - hypersensitivity with eosinophilia, 441
- Periarteritis nodosa, chromosome translocation in, 1003
- Periostitis and hypercalcemia, 828
- Phenindione resistance, 620
- Pheochromocytoma, malignant, dihydroxyphenylalanine secretion in, 469
- Phosphorylase activity
 - liver, in child with progressive brain disease and increased hepatic glycogen and urinary catecholamines, 139
- skeletal muscle, in rhabdomyolysis, 196
- Pitressin-resistant hyposthenuria in chronic renal disease, 378
- Plasma cell leukemia
 - see Leukemia
- Piasma cell myeloma, relationship between clinical manifestations and anomalous protein type to survival and response to therapy in, 937
- Plasma cells, protein formation by, 302
- Plasma osmolality changes induced by hypertonic saline infusion as aid in differentiation of polyuric states, 368
- Plasmacytic myeloma, 937
- Plethysmography in estimating total lung capacity, 547
- Poisoning by venomous animals (CSC), 107
- Polycythemia vera complicated by leukemia and abdominal mass (CPC), 949
- Polyuric states, differentiation of, 368
- Porphyrinuria in thalassemia intermedia, 476
- Portal circulation disturbances in amoebic liver abscess,
- Pregnancy
 - fatty liver of, in association with renal failure, 844
 - recurrent jaundice in, 335, 341
- study and conjugation of estrogens in, 341
- Pressure-sound relationships in heart disease, 248
- Procaine amide therapy, vasculitis following, 625
 - synthesis and RNA metabolism in plasma cell leukemia, 302
 - low molecular weight, related to γ M-macroglobulins, 958
- myeloma, classification of, 937

(CPC), 129

Pseudohypoparathyroidism, negative progress report, 977 Pulmonary complications with Mycosis fungoides

- Pulmonary disease, obstructive, airway responsiveness in, 554
- Pulmonary function in normal and emphysematous subjects, 554
- Pulmonary hypertension
- see Hypertension
- Pulmonary infection due to Cryptococcus neoformans (CPC), 129
- Pulmonary lesions in rheumatoid disease, 567
- Purine
 - and pyrimidine metabolites in human urine, chromatographic separation and identification of, 913
 - excretion, variations in liver disease, 913
- Pyrimidine
 - and purine metabolites in human urine, chromatographic separation and identification of, 913 excretion in liver disease, 913
- Radius, periostitis of, and hypercalcemia, 828
- Reactivity of toad bladder to vasopressin, 769
- Refsum's disease, generalized disorder of nervous and other systems resembling, 163, 169
- Renal
 - see also Kidney
 - tubular acidosis after cadaver kidney homotransplantation, 284
- Renin activity, suppressed, in primary aldosteronism
- caused by bilateral adrenal hyperplasia, 642
- Rhabdomyolysis and myoglobinuria in children, 196 Rheumatoid disease, nodular pleuropulmonary, 567
- RNA metabolism and protein synthesis in plasma cell
- leukemia, 302
- Roentgenologic method for estimating total lung capacity, 547
- Rupture, spontaneous, of abdominal aortic aueurysm into inferior vena cava, 1011
- Saline infusions, hypertonic, in differentiation of polyuric states, 368
- Sarcoid nephritis, granulomatous, 273
- Scurvy, anemia of, 220
- Septal defects
 - atrial and ventricular, 497
 - clinical and physiologic sequelae of, 497
- Serum complement, clinical studies of, 882
- Shock following cholecystectomy (CPC), 423
- Sjögren-Larsson syndrome, 412
- Skeletal muscle
 - disorder of, resembling Refsum's disease and Hurler's syndrome, 163, 169
- phosphorylase activity of, in rhabdomyolysis, 196
- Snake bite (CSC), 107
- Snake venoms, composition of (CSC), 107
- Somatotropin activity in hypopituitarism, 146
- Somnolence in type B botulism, 208
- Sound-pressure relationships in heart disease, 248
- Spasticity in Sjögren-Larsson syndrome, 412

- Speech defects, pronounced, in Sjögren-Larsson syndrome, 412
- Spleen, rupture of, in polycythemia vera (CPC), 949 Steatorrhea
 - idiopathic, malignancy in, 899 with selective IgA deficiency, 319
- see also Mitral stenosis
- idiopathic hypertrophic subaortic, guanethidine therapy in, 189
- of coronary artery as cause of diastolic murmur, 617 pulmonic, and large ventricular septal defects, 497
- Steroid metabolism and jaundice in pregnancy, 341
- Stiff-man syndrome, critical survey of, 582
- Straight back syndrome, cause of innocent systolic murmurs, 309
- Structure-activity relations of antidiuretic hormones, 653 Symposium on antidiuretic hormones, 651-827
 - Biosynthesis and release of vasopressin, 687
 - Chemistry and structure-activity relations of the antidiuretic hormones, 653
 - Concentration of urine in the mammalian kidney. 777
 - Dedication to Vincent du Vigneaud, 651 Diabetes insipidus, 807
 - Evolution of antidiuretic hormones and their functions, 678
 - Factors influencing the reactivity of the toad bladder to the hydro-osmotic action of vasopressin, 769
 - Hereditary hypothalamic diabetes insipidus in rats (Brattleboro strain); a useful experimental model, 814
- Membrane effects of antidiuretic hormone, 745
- Metabolism of antidiuretic hormones, 713
- Syndrome of inappropriate secretion of antidiuretic hormone, 790
- The role of adenosine 3,5'-phosphate in the action of antidiuretic hormone, 757
- Vasopressin, its bioassay and the physiological control of its release, 701
- Systolic murmurs, innocent, straight back syndrome as cause, 309
- Testosterone therapy for idiopathic hypochromic anemia, 151
- Thalassemia intermedia, with iron overload, cardiac failure, diabetes mellitus, hypopituitarism and porphyrinuria, 476
- Thrombosis
 - of left utero-ovarian vein and renal veins with renal and splenic infarction (CPC), 423
 - of portal vein, amoebic liver abscess in, 852

- Thyroid dysfunction, triiodothyronine suppression test in determining, 600
- Tibia, periostitis involving, and hypercalcemia, 828
- Transplantation, death after (E), 327
- Triglyceride-lipoprotein complexes in hyperlipemia and pancreatitis, 968
- Triiodothyronine suppression test, 600
- Ulna, periostitis involving, and hypercalcemia, 828 Uric acid levels
 - effects on acute gouty arthritis, 38
- effects of food intake, fasting and alcohol on, 38
- Urinary catecholamines in child with progressive brain disease and liver phosphorylase deficiency, 139
- Urinary tract infection following cholecystectomy (CPC), 423
- Urine
- concentration in mammalian kidney, 777
- human, chromatographic separation and identification of purine and pyrimidine metabolites in,
- hyaluronic acid in, in nephroblastoma, 996 Urticaria, deafness and amyloidosis, 449
- Vasculitis following procaine amide therapy, 625 Vasopressin
- bioassay of, 701
- biosynthesis and release of, 687 hydroosmotic action of, 769
- physiological control of release, 701
- reactivity of toad bladder to, 769
- Vena cava, inferior,
 - Budd-Chiari syndrome caused by web in, 838
- spontaneous rupture of abdominal aortic aneurysm into, 1011
- Venomous animals, poisoning by (CSC), 107
- Venoms, snake, composition of (CSC), 107
- Ventricular aneurysm, correlative study of, 512
- Ventricular musculature, right, partial absence of, 636
- Ventricular septal defects, sequelae of, 497
- Vitamin D therapy, effect on pseudohypoparathyroidism,
- Warfarin resistance, 620
- Wegener's granulomatosis treated with Imuran, 314
- Zebra bodies in generalized disorder of nervous system, skeletal muscle and heart resembling Refsum's disease and Hurler's syndrome, 169

CONTENTS OF VOLUME 42

January

Parathyroid Hormone	G. D. Aurbach	:}	1
Argininosuccinic Aciduria. Report of Two New Cases and Demonstration of Intermittent Elevation of Blood Ammonia	Hugo W. Moser Mary L. Efron Henry Brown Richard Diamond Charlotte G. Neumann	: }	9
	Arthur P. Hall	:}	27
Effects of Food, Fast and Alcohol on Serum Uric Acid and Acute Attacks of Gout	Margaret J. Maclachlan Gerald P. Rodnan	:}	38
	F. Paul Alepa	:	58
Dysimmunoglobulinemia in the Absence of Clinical Features of Multiple Myeloma and Macroglobulinemia	Zbigniew A. Zawadzki . George A. Edwards	:}	67
	Bernard N. Fields	:	89
Poisoning by Venomous Animals			107
Mycosis Fungoides with Pulmonary and Neurologic Complica-			129
Liver Phosphorylase. Deactivation in a Child with Progressive Brain Disease, Increased Hepatic Glycogen and Increased Uri- nary Catecholamines	George Hug	:	139
Hypopituitarism with Normal or Increased Height. Report of Two Cases, with Measurement of Plasma Growth Hormone Levels.	Theodore S. Zimmerman Martin G. White William H. Daughaday Frederick C. Goetz	:	146
Primary Defective Iron Reutilization. Response to Testosterone Therapy	Farid I. Haurani David Green with the technical assistance of Shirley Wilcher	f :	151

February

9	
Logland: A Gibbsian View of Acid-Base Balance	Robert P. Davis 159
A Generalized Disorder of Nervous System, Skeletal Muscle and Heart Resembling Refsum's Disease and Hurler's Syndrome. I. Clinical, Pathologic and Biochemical Characteristics	G. M. Shy
A Generalized Disorder of Nervous System, Skeletal Muscle and Heart Resembling Refsum's Disease and Hurler's Syndrome. II. Ultrastructure.	Nicholas K. Gonatas with the technical assistance of Irene Evangelista Joseph Martin
The Distinctive Electrocardiogram of Duchenne's Progressive Muscular Dystrophy. An Electrocardiographic-Pathologic Correlative Study.	Joseph K. Perloff William C. Roberts Antonio C. de Leon, Jr Desmond O'Doherty
Idiopathic Hypertrophic Suhaortic Stenosis. Intraventricular Gradient Reduction Associated with Oral Guanethidine Therapy .	A. F. Bowyer P. K. Hanashiro
Familial Paroxysmal Rhabdomyolysis in Children. A Myoglobin- uric Syndrome	Blaise E. Favara
Type B Botulism in Man	M. Glenn Koenig David J. Drutz Alvin I. Mushlin William Schaffner David E. Rogers
The Anaemia of Scurvy	E. V. Cox
A Clinical Evaluation of Coronary Arteriography	Herbert Hultgren
Intracardiac Sound and Pressure Events in Man	Charles F. Wooley Hugh S. Levin Richard F. Leighton Richard S. Goodwin Joseph M. Ryan with the technical assistance of George F. Rieser
A Sixty-Three Year Old Woman with Fulminant Meningitis and	264

Granulomatous Sarcoid Nephritis	Jack W. Coburn Crit Hobbs Gerald S. Johnston Joel H. Richert James H. Shinaberger Seymour Rosen
Renal Tubular Acidosis Äfter Cadaver Kidney Homotransplantation. Studies on Mechanism	Shaul G. Massry Harry G. Preuss John F. Maher George E. Schreiner
Angiokeratoma Corporis Diffusum Universale (Fabry's Disease) in Female Subjects	{C. D. Burda
RNA Metabolism and Protein Synthesis in Plasma Cell Leukemia	(Franklin Mullinax
The Straight Back Syndrome. Another Cause of Innocent Systolic Murmurs	{Jerome S. Siegel } 309
Treatment of Wegener's Granulomatosis with Imuran	Bertha A. Bouroncle Edwin J. Smith Francis E. Cuppage.
Selective IgA Deficiency with Steatorrhea. A New Syndrome.	{Paul A. Crabbé
March	
Death After Transplantation. An Analysis of Sixty Cases	Rolla B. Hill, Jr
Recurrent Jaundice in Pregnancy. I. A Clinical and Ultrastructural Study	(Herman Adlercreutz
	(Åke Ånberg)
Recurrent Jaundice in Pregnancy. II. A Study of the Estrogens and Their Conjugation in Late Pregnancy	
and Their Conjugation in Late Pregnancy	(Åke Ånberg) (Herman Adlercreutz
and Their Conjugation in Late Pregnancy	(Åke Ånberg) (Herman Adlercreutz

Provide Provide All Inc. of the Charles Provide Provid	Malcolm A. Holliday Thomas J. Egan	270
Pitressin-Resistant Hyposthenuria in Chronic Renal Disease	Curtis R. Morris	378
Accuracy of Laparoscopic Diagnosis	Gustavo Kuster	388
Reassessment of the Source, Mode and Locus of Action of Anti-diuretic Hormone	Khalil G. Wakim	394
The Sjögren-Larsson Syndrome	Victor J. Selmanowitz Michael J. Porter	412
Endometrial Carcinoma Treated by Pelvic Exenteration; Cholecystectomy Followed by Shock, Chest Pain, Urinary Tract In-		
fection and Convulsions		423
Paraldehyde Acidosis	Robert A. Gutman	435
Penicillin Hypersensitivity with Eosinophilia. A Case Report with Immunologic Studies	Jean Pierre Girard Marie L. Kunz Satsuo Kobayashi Noel R. Rose Carl E. Arbesman	441
Deafness, Urticaria and Amyloidosis. A Sporadic Case with a Chromosomal Aberration	Vagn Andersen	449
Functional Characteristics of Pasidual Nanhrons	Richard E. Rieselbach	457
Dihydroxyphenylalanine Secretion in a Malignant Pheochromo- cytoma	A. H. Anton	169
Thalassemia Intermedia, with Iron Overload, Cardiac Failure, Diabetes Mellitus, Hypopituitarism and Porphyrinuria	Robin M. Bannerman	176
April		
	Irving I Solikoff	
	Irving J. Selikoff	87

vii

Gerasim Tikoff . Clinical and Physiologic Sequelae of Large Ventricular Septal Alexander M. Schmidt . Joseph L. Thorne . Hiroshi Kuida . Prospective Correlative Study of Ventricular Aneurysm. Mecha-Michael D. Klein . nistic Concept and Clinical Recognition . . . Jay M. Sullivan . The Hemodynamic Role of the Atria With and Without Mitral (R. A. Carleton . . J. S. Graettinger Noble O. Fowler . Morton H. Hamburger . Aortic Valve Perforation . Kevin E. Bove . . Ted M. Nicklaus . S. Watanabe . . Roentgenologic, Physiologic and Structural Estimations of the M. M. Mitchell Total Lung Capacity in Normal and Emphysematous Subjects A. D. Renzetti, Jr .. Charles B. Payne, Jr. . Edward H. Chester. Airway Responsiveness in Chronic Obstructive Pulmonary Disease Bartholomew P. Hsi Nodular Pleuropulmonary Rheumatoid Disease. Report of Two Seli H. Rubin . Morris Gordon . . Cases and Review of Literature William L. Thelmo Edward E. Gordon . Danuta M. Januszko A Critical Survey of Stiff-Man Syndrome . . . Leon Kaufman . . The Triiodothyronine Suppression Test . . . Gerald Burke . 600 A Twenty-Two Year Old Woman with Hemoptysis and Increas-609 William Dock . A Diastolic Murmur Arising in a Stenosed Coronary Artery . Smil Zoneraich . Richard J. Lewis Morton Spivack. Warfarin Resistance Theodore H. Spaet . Vasculitis Following Procaine Amide Therapy . James M. Rosin . 625 N. Costea . V. J. Yakulis . Two Myeloma Globulins (IgG and IgA) in One Subject and One J. A. Libnoch . 630 C. G. Pilz . . P. Heller . . Lawrence Gould. A. Bela Guttman Partial Absence of the Right Ventricular Musculature. A Con-636 José Carrasco .

Alan F. Lyon .

genital Lesion .

Bilateral Adrenal Hyperplasia as a Cause of Primary Aldosteronism with Hypertension, Hypokalemia and Suppressed Renin Activity	Warren W. Davis . Heber H. Newsome, J Louis D. Wright, Jr. William G. Hammond John Easton Frederic C. Bartter .	,		64
Hyperosmolality with Hyponatremia, Caused by Inappropriate Administration of Mannitol.	A. Aviram			64
May				
Symposium on Antidiuretic Hormones, pp. 657	1-827			
	(Irving L. Schwartz . William B. Schwartz		:}	65
Chemistry and Structure-Activity Relations of the Antidiuretic Hormones.	Roderich Walter J. Rudinger I. L. Schwartz		:}	65
Evolution of Antidiuretic Hormones and Their Functions	Wilbur H. Sawyer .			678
Biosynthesis and Release of Vasopressin	Howard Sachs			68
Vasopressin, Its Bioassay and the Physiological Control of Its Release	Leonard Share	,		701
Metabolism of Antidiuretic Hormones	Henry D. Lauson .			713
Membrane Effects of Antidiuretic Hormone	Alexander Leaf			745
The Role of Adenosine 3,5'-Phosphate in the Action of Anti-diuretic Hormone	Jack Orloff Joseph Handler		:}	757
Factors Influencing the Reactivity of the Toad Bladder to the Hydro-osmotic Action of Vasopressin	Irving L. Schwartz . Roderich Walter .		.}	769
Concentration of Urine in the Mammalian Kidney {	Robert W. Berliner. Cleaves M. Bennett.		:}	777
The Syndrome of Inappropriate Secretion of Antidiuretic Hormone	Frederic C. Bartter . William B. Schwartz		.}	790
	Cecil H. Coggins . Alexander Leaf	•	:}	807
Hereditary Hypothalamic Diabetes Insipidus in Rats (Brattleboro Strain), A Useful Experimental Model.	Heinz Valtin			814
Idiopathic Periostitis with Hypercalcemia	Alexandra Dimich Shelley Brown Stanley Minkowitz Stanley Wallach		1	828

Budd-Chiari Syndrome Caused by a Web in the Inferior Vena	Fenton Schaffner Howard L. Gadboys Arthur P. Safran Murray G. Baron		838
	Arthur H. Aufses, Jr (Peter A. F. Morrin	.)	
Acute Renal Failure in Association with Fatty Liver in Pregnancy. Recovery After Fourteen Days of Complete Anuria	Satya Paul Handa Leslie S. Valberg Sergio A. Bencosme		844
Amoebic Liver Abscess and Disturbances of Portal Circulation .	(P. D. Gulati	:}	852
Addison's Disease Presenting as a Lymphocyte Dyscrasia	Robin Saphir		855
June			
The Etiology of Pellagra and Its Significance for Modern Medi-	El. 1 d D at C		0.50
cine	Elizabeth Barrett-Connor [J. Worth Estes		859
A New Hereditary Acanthocytosis Syndrome	Thomas J. Morley . Irving M. Levine . Charles P. Emerson .		868
Clinical Studies of Hemolytic Complement and the 11S Component	Lonnie B. Hanauer Charles L. Christian	:}	882
Gaucher's Disease. A Morphologic Study and Measurement of Iron Metabolism.	Robert E. Lee	:}	891
Malignancy in Adult Coeliac Disease and Idiopathic Steatorrhoea	O. D. Harris	:	899
	Karel P. M. Heirwegh. Carlos Ranboer Jan De Groote	:}	913
The Atypical Lymphocyte	Turner A. Wood Eugene P. Frenkel	:}	923
Various Clinical Manifestations and Anomalous Protein Type	Paul P. Carbone Leland E. Kellerhouse . Edmund A. Gehan	:}	937
Polycythemia Vera Complicated by Acute Leukemia and a Rapidly Enlarging Mass in the Left Upper Abdominal Quadrant .			949
A "Monoclonal" Type, Low Molecular Weight Protein Related to γM-Macroglobulins	(Alan Solomon Henry G. Kunkel	:}	958

Hyperlipemia in Acute Pancreatitis. Metabolic Studies in a Patient and Demonstration of Abnormal Lipoprotein-Triglyceride Complexes Resistant to the Action of Lipoprotein Lipase		968
Pseudohypoparathyroidism 1942–1966. A Negative Progress Report	Carlos A. Mautalen John-Fredrik Dymling Melvin Horwith	:} 977 :}
The Mechanism of Hypertension in the Guillain-Barré Syndrome	Paul L. Mitchell . Edward Meilman .	:} 986
The Detection of Hyaluronic Acid in the Serum and Urine of a Patient with Nephroblastoma	Bernard S. Morse . Murray Nussbaum .	} 996
A Chromosome Translocation in Association with Periarteritis Nodosa and Macroglobulinemia	J. G. Buchanan P. J. Scott E. M. McLachlan F. Smith D. E. Richmond J. D. K. North	 1003
Spontaneous Rupture of an Abdominal Aortic Aneurysm into the Inferior Vena Cava. Report of a Case, with Successful Repair .	Mason D. Robertson .	1011
Author Index		1017
Subject Index		1019

The American Journal of Medicine

Editor: ALEXANDER B. GUTMAN, M.D. Professor of Medicine

THE MOUNT SINAI SCHOOL OF MEDICINE

Assistant Editors: Mortimer E. Bader, M.D. and Richard A. Bader, M.D.

Associate Clinical Professors

THE MOUNT SINAI SCHOOL OF MEDICINE

Managing Editor: HELENA B. MANNION, NEW YORK

ADVISORY BOARD

A. McGehee Harvey, M.D., Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore; Carl V. Moore, M.D., Professor of Medicine, Washington University School of Medicine, St. Louis; DeWitt Stetten, Ph.D., M.D., Dean, Rutgers Medical School, New Brunswick, N. J.; George W. Thorn, M.D., Professor of Medicine, Harvard Medical School, Boston.

ASSOCIATE EDITORS

GEORGE E. BURCH, M.D., New Orleans; CHARLES S. DAVIDSON, M.D., Boston; J. RUSSELL ELKINTON, M.D., Philadelphia; HANS H. HECHT, M.D., Chicago: Halsted R. Holman, M.D., Palo Alto; Henry G. Kunkel, M.D., New York; IRVING M. LONDON, New York; CARL M. PEARSON, M.D., Los Angeles; J. E. RALL, M.D., Bethesda; DONALD W. SELDIN, M.D., Dallas; LLOYD H. SMITH, JR., M.D., San Francisco; FRANK H. Tyler, M.D., Salt Lake City; Louis G. Welt, M.D., Chapel Hill, N. C., Lawrence E. Young, M.D., Rochester, N. Y.

Volume 43
JULY TO DECEMBER
1967

Published by

THE REUBEN H. DONNELLEY CORPORATION

466 Lexington Avenue, New York, New York 10017

COPYRIGHT @ 1967

BY THE REUBEN H. DONNELLEY CORPORATION

All rights reserved. No parts of the contents of this publication may be reproduced or distributed without the prior written consent of the publisher.

Printed in the United States of America

AUTHOR INDEX TO VOLUME 43

Adesman, J., 804 Alam, N., 811 Allgood, J. W., 254 Amiel, J. L., 206 Au, W. Y. W., 684 Ayvazian, L. F., 930

Balchum, O. J., 178 Barry, K. G., 735, 745 Bartelloni, P. J., 735 Barth, W. F., 50 Bayrd, E. D., 394 Beier, R. L., 461 Beirne, G. J., 141 Bernatz, P. E., 97 Bleicher, S. J., 804 Bobadilla, E., 696 Bolaños, O., 84 Boonstra, C. E., 727 Bordier, P., 691 Brenner, S., 186 Bricker, N. S., 313 Brindley, C., 186 Britten, A. F. H., 751 Bronsky, D., 956 Brooks, M. H., 735, 745 Buckley, C. E., 111, 609 Burns, R. O., 141

Carpenter, C. B., 854 Carpenter, D. F., 922 Carroll, E. L., 696 Cassileth, P. A., 471 Cattan, A., 206 Chalmers, T. C., 186 Chaplin, H., Jr., 254 Childers, R. W., 304 Ching, Y., 935 Christy, N. P., 383 Clain, D., 544 Cline, M. J., 153 Cohen, H. I., 785 Cohen, T., 762 Copp, D. H., 648 Creditor, M. C., 371 Creger, W. P., 762 Curran, R. E., 465 Cyrsky, F. T., 171

Dameshek, W., 771 Dammin, G. J., 854 Danon, F., 66 Daoud, F. S., 604 De Blanco, M., 136 Dederick, M. M., 186 Dickhaus, D. W., 636 Doig, A., 289 Donaldson, I. M. L., 289 Doyle, F. H., 691 Drucker, W. D., 383 Duarte, C. S., 944

Edwards, G. A., 194 Eldridge, F., 785 Evans, G. W., 294

Finkel, H. E., 771 Foster, G. V., 691 Fourman, P., 620 Franklin, E. C., 1 Frederick, W. W., 930 Freedman, H. H., 294 Frei, E., II, 186 Freston, J., 544 Friedman, J., 684 Frohnert, P. P., 8 Fudenberg, H. H., 66

Gabuzda, G. J., 887 Gafni, J., 227 Galambos, J. T., 284 Garcia, F. T., 84 Gerbode, F., 822 Ghitis, J., 84 Gill, T. J. III, 854 Ginn, W. N., 161 Glancy, D. L., 846 Glass, J., 656 Goldberg, M., 804 Golden, A., 922 Good, R. A., 335 Goss, J. E., 636 Green, D. E., 486 Greenberger, N. J., 777 Gutin, R. S., 636

Hagstrom, J. W. C., 465 Hall, T. C., 186 Harding, L. K., 963 Hare, J. D., 39 Harrison, E. G., Jr., 97, 394 Hawker, C. D., 656 Heinz, A., 171 Heller, H., 227 Herdman, R. C., 335 Hill, Jr., R. B., 28 Hines, J. D., 555 Hirsch, P. F., 662, 678 Hoda, A. N., 811 Hoffbrand, A. V., 555 Holland, J. F., 186 Holmes, J. H., 837 Hosley, H. F., 186 Hunt, J. C., 97

Ireland, P., 579 Irons, G. V., Jr., 161

Jackson, C. E., 727 Jacobson, G., 178 Jeffries, G. H., 795 Jensen, M. M., 897 Johnson, R. L., 935 Jung, R. C., 178

Katz, D., 151, 322 Kelly, J. J., Jr., 822 Kerth, W. J., 822 Kimber, R. J., 771 King, J. S., Jr., 125 Klahr, S., 84 Klidjian, A., 963 Knight, I. C. S., 289 Knochel, J. P., 435 Koops, C. R., 186 Kopp, W. L., 141 Kosek, J. C., 785 Krane, S. M., 508 Krant, M. J., 186 Kreek, M. J. 795 Kreel, L., 544 Kyle, G. C., 136

Lebovitz, H. E., 499 Leddy, J. P., 39 Lee, M. R., 963 Leeson, P. M., 620 Lipman, L. M., 486 Loschky, U. K., 371 Ludwig, G. D., 136 Lynch, J. J., 186

Macieira-Coelho, E., 944 MacPherson, C. R., 214 Malloy, J. P., 735, 745 Marchioro, T. L., 28, 837 Marson, A., 214 Massumi, R. A., 951

Author Index

Mathé, G., 206 Matrajt, H., 691 Mayoral, L. G., 84 McCallister, B. D., 394 McCarter, J., 609 McConnell, J., 214 McGuckin, W. F., 394 Melmon, K. L., 153 Meltzer, J. L., 956 Merigan, T. C., Jr., 785, 817 Merkel, C. G., 930 Merrill, J. P., 854 Mihaesco, C., 66 Miller, S. P., 186 Mollin, D. L., 555 Mongeau, J. G., 345 Moore, D., 214 Morrow, A. G., 639 Moser, K. M., 131 Moskowitz, R. W., 322 Munson, P. L., 662, 678

Nagant de Deuxchaisnes, C., 508 Nagaya, H., 609 Nelson, J. C., 486 Nieman, R. E., 604 Niemann, I., 684 Norkin, S. A., 294

Ogden, D. A., 837 Olson, K. B., 186 Orgain, E. S., 161 Owens, A. H., Jr., 186

Pechet, M. M., 645, 696 Pickard, R. E., 151 Porter, K. A., 837 Potts, J. T., Jr., 662 Pras, M., 227

Rab, S. M., 811 Rabinowitz, M., 304 Raisz, L. G., 684
Ranniger, K., 304
Rasmussen, H., 656, 711
Reichlin, S., 477
Reisfeld, R. A., 662
Rieselbach, R. E., 868, 876
Rifkind, D., 28
Robb-Smith, A. H. T., 963
Roberts, W. C., 639, 846, 922
Robertson, P. W., 963
Ross, C., 186
Ruppert, R. D., 777

Sancetta, S. M., 887 Sapira, J. D., 579 Schlumberger, J. R., 206 Schneck, S. A., 28 Schneider, M., 206 Schroeder, E. T., 887 Schwartz, M. L., 171 Schwartzenberg, L., 206 Segal, B. M., 383 Seligmann, M., 66 Selzer, A., 822 Shear, L., 887 Sheehy, T. W., 735 Sheps, S. G., 8 Sherlock, S., 544 Shnider, B. I., 186 Simpson, J. F., 39 Skoulas, A., 461 Sleisenger, M. H., 795 Slotnick, I. J., 147 Snyder, N. J., 486 Sohar, E., 227 Sokoloff, L., 50 Solomon, D. H., 486 Starzl, T. E., 837 Steele, T. H., 868, 876 Steinberg, I., 465 Steinberg, J. S., 284 Steward, D. S., 930

Talal, N., 50
Tashjian, A. H., Jr., 668
Templeton, B., 579
Tenenhouse, A., 711
Tennenbaum, J. I., 777
Terasaki, P. I., 837
Tigertt, W. D., 735
Tobe, A. D., 935
Tobian, L., Jr., 356
Tripathy, K., 84
Tulman, L., 147
Tun-Chot, S., 691
Turkington, R. W., 499
Turner, A. F., 178

Strickland, G. T., Jr., 131

VanArsdel, P. P., Jr., 935 Vannitamby, M., 822 Verde, A. L., 383 Vernier, R. L., 335 Vertel, R. M., 435 Vilter, R. W., 604 Vinijchaikul, K., 15 Voelkel, E. F., 668

Wainer, A., 125
Waldstein, S. S., 956
Walker, P., 822
Wall, R. L., 214
Walters, G., 963
Webb, N. C., Jr., 171
Weinstein, G., 804
Weiss, H. J., 570
Weisse, A. B., 171
Whitehouse, A. C., 609
Williams, R. C., Jr., 356
Wilson, I. D., 356
Worthen, H. G., 345

Yee, A., 811

Zawadzki, Z. A., 194

SUBJECT INDEX TO VOLUME 43

(CPC) = Clinicopathologic Conference; (E) = Editorial; (CSC) = Combined Staff Clinic

Abscess

amoebic liver, 811

intra-abdominal (CPC), 452

Acidosis, renal tubular

and primary biliary cirrhosis, copper metabolism disorder, 620

with immunoglobulin abnormalities, 356

Acromegaly

plasma adrenocorticotrophic activity in, 383

x-ray treatment of, 383

ACTH activity, adrenal weight-maintenance assay of, in acromegaly, 383

Actinobacillus actinomycetemcomitans in bacterial endocarditis, 636

Actinomycin D therapy in lung cancer, 186

Addison's disease, extra-adrenal endocrine deficiencies in, 499

Adenomatosis, endocrine, and hereditary hyperparathyroidism, 727

Adenopathy, early manifestation of primary macroglobulinemia, 394

Adrenal insufficiency in Addison's disease, 499

Adrenal weight-maintenance assay of ACTH activity in acromegaly, 383

Adrenocortical failure in amoebic liver abscess, 811

Adrenocorticotrophic activity, plasma, in acromegaly,

Adult phosphate diabetes and Fanconi syndrome, 508 Agranulocytosis, chlorpromazine-induced, followed by acute leukemia, 471

Alveolar-capillary block syndrome caused by redwood sawdust inhalation, 785

Amyloid goiter and primary amyloidosis, 604 Amyloidosis

in familial Mediterranean fever, 227 primary, amyloid goiter in, 604

Anemia

aplastic, followed by myeloid leukemia, 762

following partial gastrectomy, 555

idiopathic acquired autoimmune hemolytic, 254

iron deficiency, in adult hypogammaglobulinemia, 935

Aneurysms

false left ventricular, sequel of myocardial infarction and rupture of heart, 639

in primary arteritis of aorta and its main branches, 15 Angiotensin, response to, in evaluation of intrarenal blood flow, 887

Aorta, primary arteritis of, 15

Aplasia, acquired pure red cell, corticosteroid therapy for, 771 Arrhythmias, cardiac, propranolol treatment of, 161 Arteriovenous fistula

after renal biopsy in polyarteritis nodosa, 465 in Osler-Rendu-Weber disease, 304

Arteritis, primary, of aorta and its main branches, 15 Arthritis, crystal-induced, relation to chondrocalcinosis, 322

Ashkenazic Jews, familial Mediterranean fever in, 227

 $B_{\rm acterial}$ endocarditis due to Actinobacillus actinomycetemcomitans, 636

 β_{1U} -globulin, serum, altered in renal transplant recipients, 854

Beta adrenergic receptor blocking agent in treatment of cardiac arrhythmias, 161

Biliary cirrhosis, primary, complications of, 620

Biopsy, percutaneous renal, in polyarteritis nodosa complicated by arteriovenous fistula, 465

Bleeding disorder, congenital deficiency of factor xIII, 751 Blood flow, intrarenal, para-aminohippurate extraction and response to angiotensin, 887

Blood group Xg^a, Christmas disease and color-blindness, 214

Bone

changes produced by thyrocalcitonin, 691

resorption and formation influenced by thyrocalcitonin, parathyroid hormone, neutral phosphate and vitamin D_{s} , 696

resorption and thyrocalcitonin studied by tissue culture bioassay, 684

Budd-Chiari syndrome, clinical diagnosis of, 544

Bundle branch block, left, associated with quadrivalvular rheumatoid heart disease, 922

Calcification in chondrocalcinosis, 322

Calcitonin, historic development of concept, 648

Cancer of lung, chemotherapy in, 186

Cardiomyopathy in familial Wolff-Parkinson-White syndrome, 951

Chemotherapy in lung cancer, 186

Chlorambucil therapy, protracted, in primary macroglobulinemia, 394

Chloramphenicol therapy followed by myeloid leukemia, 762

Chlorpromazine-associated agranulocytosis, monocytosis and leukemia, 471

Chondrocalsynovitis and chondrocalcinosis, 322

Chondrocalcinosis and chondrocalsynovitis, 322

Chordae tendineae, isolated rupture of, 822

Christmas disease, color-blindness and blood group Xg^a , 214

Cirrhosis

of liver, renal failure in, 887

primary biliary, treated with penicillamine, 620

Clinicopathologic Conferences

A seventeen year old girl with fatty liver of pregnancy following tetracycline therapy, 274

A sixty-five year old woman with heat stroke, 113 A sixty-nine year old man with severe diarrhea, 452

Chronic lymphocytic leukemia complicated by disseminated histoplasmosis, 593

Multiple myeloma, 912

Colon, diverticula of (CPC), 452

Color-blindness, Christmas disease and blood group $\mathbf{X}\mathbf{g}^{\mathbf{a}}, 214$

Coma

fever and shock caused by Torulopsis glabrata infection, 151

hepatic, and amoebic liver abscess, 811

Congenital deficiency of factor xIII, 751

Consumption coagulopathy (CPC), 274

Copper metabolism disorder treated with penicillamine, 620

Corticosteroid therapy

in acquired pure red cell aplasia in adults, 771 in idiopathic acquired hemolytic anemia, 254 in periarteritis nodosa, survival rate following, 8 in sarcoidosis with Landry-Guillain-Barré syndrome, 131

Cruveilhier-Baumgarten disease, 284 Cystic disease, medullary, in two siblings, 335 Cystinuria with hyperuricemia and methioninuria, 125 Cysts in the renal medulla, 335, 345

Dermopathy, relationship of long-acting thyroid stimulator to, in Graves' disease, 486

Diabetes

see also Adult phosphate diabetes mellitus in Addison's disease, 499

Diarrhea, severe, in a sixty-nine year old man (CPC), 452 Disc gel electrophoresis in characterization of thyrocalcitonin, 668

Diverticula of jejunum, duodenum and colon (CPC), 452 Duodenum, diverticula of (CPC), 452

Editorials

Control of sodium excretion with normal and reduced nephron populations; the pre-eminence of third factor, 313

Function of the hypothalamus, 477

Genetic polymorphisms of γ -globulins in man, 1

Interferon's promise in clinical medicine; fact or fancy, 817

Kinins, 153

Embolism, pulmonary (CPC), 113

Endocarditis, bacterial, due to Actinobacillus actinomycetemcomitans, 636

Endocrine adenomatosis and hereditary hyperparathyroidism, 727

Endocrine deficiencies in Addison's disease, 499

Erwinia species, human infection caused by, 147

Estrogen sensitivity in recurrent cholestatic jaundice of pregnancy, 795

Extrasalivary lymphoid abnormalities in Sjögren's syndrome, 50

Factor ix deficiency, 214

Factor xIII, congenital deficiency of, 751

Falciparum malaria

fluid compartmentalization in, 745

pathophysiology of, 735, 745

Familial Mediterranean fever, 227

Fanconi syndrome and adult phosphate diabetes treated with neutral sodium phosphate, 508

Fatigue in primary macroglobulinemia, 394
Fatty liver of pregnancy following tetracycline therapy
(CPC), 274

Fever

coma and shock caused by Torulopsis glabrata infection, 151

familial Mediterranean, 227

Fibrin-stabilizing factor, congenital deficiency of, 751 Fibromuscular dysplasia of renal artery, 97

Fistula

arteriovenous, after renal biopsy in polyarteritis nodosa, 465

hepatocolic, and amoebic liver abscess, 811

intrahepatic arteriovenous, with pulmonary vascular obstruction in Osler-Rendu-Weber disease, 304

Fluid compartmentalization in acute falciparum malaria, 745

5-Fluorouracil therapy in lung cancer, 186

Folate deficiency following partial gastrectomy, 555

Fungal infections complicating renal transplantation and immuosuppressive therapy, 28

Gamma globulins, genetic polymorphisms of (E), 1 Gastrectomy, partial, hematologic complications following, 555

Gastrointestinal allergy associated with protein-losing enteropathy, 777

Genetic polymorphism of gamma globulins in man (E), 1 Glanzmann's thrombasthenia and thrombopathia differentiated by platelet factor 3 deficiency, 570

Glucocorticoid therapy for ophthalmopathy of Graves' disease, 486

Goiter, amyloid, in primary amyloidosis, 604

Gonadal failure in Addison's disease, 499

Graves's disease, long-acting thyroid stimulator in, 486 Growth hormone concentrations in acromegaly, 383

AMERICAN JOURNAL OF MEDICINE

Heart

see also Aneurysms

Arrhythmias

Bundle branch block

Mitral insufficiency

Myasthenia gravis

Myocardial infarction

Ventricular septal defects

disease, quadrivalvular rheumatoid, associated with left bundle branch block, 922

rupture of, followed by pseudoaneurysm of left ventricle, 639

sound, second, intensity in traditional auscultatory areas, 171

Heat injury, acute renal failure due to, 435

Heat stroke (CPC), 113

renal failure and oliguria following, 435

Hemangiopericytoma, renal, cause of hypertension, 963 Hematologic complications following partial gastrectomy, 555

Hemorrhage in primary macroglobulinemia, 394 Hemorrhagic pancreatitis, acute (CPC), 274

Hepatic

see also Liver

Hepatic coma and amoebic liver abscess, 811

Hepatic vein occlusion, symptom of Budd-Chiari syn-

drome, 544

Hereditary hyperparathyroidism, relationship to endocrine adenomatosis, 727

Histoplasmosis, disseminated, complicating chronic lymphocytic leukemia (CPC), 593

Hodgkin's disease complicated by listeriosis, 39

Homografts, renal, function correlated with histology and lymphocyte antigen matching, 837

Hormonal control of hypercalcemia, 648

Human growth hormone concentrations in acromegaly,

Hypercalcemia, hormonal control of, 648

Hypernatremia, asymptomatic hypovolemic, 804

Hyperparathyroidism

hereditary, and endocrine adenomatosis, 727 tertiary, induced by osteomalacia, 136

Hypertension

due to renin-secreting renal tumor, 963

plasma renin activity in, 371

postsinusoidal portal, in Cruveilhier-Baumgarten disease, 284

renovascular

morphology of fibromuscular dysplasia of renal artery in, 97

in Takayasu's arteriopathy, 15

Hyperthyroidism, relationship of long-acting thyroid stimulator to, 486

Hyperuricemia

and chondrocalcinosis, relationship between, 322 with cystinuria and methioninuria, 125

Hyperviscosity syndrome in multiple myeloma, 141

VOL. 43, DECEMBER 1967

Hypochondriasis, differentiation from Munchausen's syndrome, 579

Hypogammaglobulinemia, adult, with malabsorption and iron deficiency anemia, 935

Hypothalamus, function of (E), 477

Hysteria, differentiation from Munchausen's syndrome, 579

Immunoglobulin abnormalities

in familial Waldenström's macroglobulinemia, 66

in renal tubular acidosis, 356

Immunosuppressive therapy and renal transplantation complicated by systemic fungal infections, 28

Infarction, myocardial

see Myocardial infarction

Infection, human, caused by Erwinia, 147

Interferon's promise in clinical medicine (E), 817

Interventricular septal perforation with posterior papillary muscle involvement, 461

Iron deficiency anemia in adult hypogammaglobulinemia, 935 Iron deficiency following partial gastrectomy, 555

Jaundice of pregnancy, recurrent cholestatic, with demonstrated estrogen sensitivity, 795

Jejunum, diverticula of (CPC), 452

Kidney

see also Acidosis, renal tubular

Nephroptosis

Renal

concentrating defect in, in malnutrition, 84

disease and viruses, 897

myeloma (CPC), 912

Kinins (E), 153

Landry-Guillain-Barré syndrome with sarcoidosis and clinical response to corticosteroids, 131

Leukemia

acute myeloid, induced by chloramphenicol, 762 acute, result of monocytosis in chlorpromazineinduced agranulocytosis, 471

chronic lymphocytic, complicated by disseminated histoplasmosis (CPC), 593

following chloramphenicol therapy, 762

Leukocyte transfusions, usefulness and complications of, 206

Lipiodol instillation in visualizing interventricular septal perforation, 461

Lipoid pneumonitis, diffuse, treated with prednisone, 930 Listeriosis complicating lymphoma, 39

Liver

see also Hepatic

abscess, amoebic, 811

cirrhosis, renal failure in, 887

Liver

fatty, following tetracycline therapy (CPC), 274 systemic arteriovenous fistula in, associated with Osler-Rendu-Weber disease, 304

Lung cancer, chemotherapy and x-ray therapy in, 186 Lymphocyte antigen matching in renal homografts, 837 Lymphoma complicated by listeriosis, 39 Lymphosarcoma complicated by listeriosis, 39

Macroglobulinemia

in Sjögren's syndrome, 50, 609

primary, 394

Waldenström's, 66, 394

Malabsorption in adult hypogammaglobulinemia, 935 Malaria, falciparum

see Falciparum malaria

Malingering differentiated from Munchausen's syndrome, 579

Malnutrition, renal concentrating defect in, 84

Marrow injury and acute leukemia, 471

Mediterranean fever, familial, 227

Medullary cystic disease in two siblings, 335

Methioninuria with cystinuria and hyperuricemia, 125

Methylene blue solution, use in visualizing interventricular septal perforation, 461

Mitral insufficiency due to isolated rupture of chordae tendineae, 822

Monocytosis in chloropromazine-associated agranulocytosis terminating in acute leukemia, 471

Multiple myeloma (CPC), 912

Munchausen's syndrome, 579

Muscle involvement, posterior papillary, with dissecting perforation of infarcted interventricular septum. 461

Myasthenia gravis and idiopathic juvenile myxedema,

Myeloid leukemia

see Leukemia

Myeloma

extraosseous lesions in, 194

kidney (CPC), 912

multiple, hyperviscosity syndrome in, 141

plasma cell, extraosseous lesions in, 194

Myocardial infarction

discontinued (CPC), 113

dissecting performation of interventricular septum due to, 461

followed by pseudoaneurysm of left ventricle, 639 Myoglobinuria in renal failure due to heat injury, 435

Myxedema, idiopathic juvenile, and myasthenia gravis, 956

Nephronophthisis and medullary cystic disease, 345 Nephrons, residual, contribution to urate homeostasis in man, 876

Nephropathy in familial Mediterranean fever, 227 Nephroptosis with nocturnal polyuria, 289 Occlusion of hepatic veins in Budd-Chiari syndrome,

Oliguria and renal failure following heat stroke, 435

Ophthalmopathy in Graves' disease, relationship of long-acting thyroid stimulator to, 486

Osler-Rendu-Weber disease, intrahepatic arteriovenous fistula with pulmonary vascular obstruction in, 304

Osteolysis, osteoporosis and thyrocalcitonin, 711 Osteomalacia

due to defective tubular reabsorption of phosphate treated with inorganic phosphate, 508 resulting from phosphorus depletion cause of tertiary

hyperparathyroidism, 136 Osteoporosis, osteolysis and thyrocalcitonin, 711

Pancreatitis, acute hemorrhagic (CPC), 274

Papillary muscle involvement, posterior, associated with interventricular septal perforation, 461

Para-amino hippurate extraction, intrarenal blood flow evaluated by, 887

Parathyroid hormone, influence on bone resorption and formation, 696

Penicillamine therapy in primary biliary cirrhosis, 620

Perforation of infarcted interventricular septum, 461

Perforation, dissecting, of infarcted interventricular septum with posterior papillary muscle involvement, 461

Periarteritis nodosa

long-term follow-up study of, 8

survival rate of patients treated with corticosteroids, 8 Pericardium, rupture of amoebic liver abscess into, 811

Phosphate diabetes, 508

Phosphate therapy of phosphate diabetes and osteomalacia, 508

Phosphorus depletion, tertiary hyperparathyroidism induced by osteomalacia resulting from, 136

Plasma cell myeloma, extraosseous lesions in, 194

Plasma adrenocorticotrophic activity in acromegaly, 383

Plasma renin activity in hypertension, 371

Plasmacytomas, extramedullary, 194

Plasmodium falciparum, problems in management, 735

Platelet aggregation in thrombopathia, 570

Platelet disorders, differentiation of, 570

Platelet factor 3 deficiency, 570

Pneumonitis

diffuse lipoid, treated with prednisone, 930

granulomatous, and redwood sawdust inhalation, 785 Polyarteritis nodosa, arteriovenous fistula complicating

percutaneous renal biopsy in, 465

Polyuria, nocturnal, with nephroptosis, 289

Porcine thyrocalcitonin

chemical properties of, 662

isolation of, 656

Portal hypertension

see Hypertension

AMERICAN JOURNAL OF MEDICINE

Portopulmonary schistosomiasis, 944

Prednisone in diffuse lipoid pneumonitis, 930

Pregnancy, recurrent cholestatic jaundice of, with demonstrated estrogen sensitivity, 795

Propranolol in treatment of cardiac arrhythmias, 161

Protein-losing enteropathy associated with gastrointestinal allergy, 777

Pseudoaneurysm of left ventricle, unusual sequel of myocardial infarction and rupture of heart, 639

Pseudolymphoma in Sjögren's syndrome, 50

Pulmonary artery to vein shunts in obstructive pulmonary disease, 178

Pulmonary embolism (CPC), 113

Pulmonary lesions in portopulmonary schistosomiasis, 944

Pulmonary vascular obstruction in Osler-Rendu-Weber disease, 304

Purpura, thrombotic thrombocytopenic, in siblings, 294 Pyelonephritis, acute (CPC), 274

Pyrazinamide in estimation of tubular secretion of urate, 868, 876

Red cell aplasia responsive to corticosteroids, 771 Redwood sawdust inhalation and granulomatous pneumonitis, 785

Renal

see also Kidney

Renal artery, fibromuscular dysplasia of, 97

Renal biopsy complicated by arteriovenous fistula, 465

Renal concentrating defect in malnutrition, 84

Renal failure

acute, due to heat injury, 435

after heat stroke, 435

in cirrhosis of the liver, 887

Renal homograft function, correlation with histology and lymphocyte antigen matching, 837

Renal mechanism of urate homeostasis in normal man, 868, 876

Renal transplants

alterations in human serum β_{1C} -globulin in, 854 complicated by systemic fungal infections, 28

Renal tubular acidosis

see Acidosis

Renal tumor, renin-secreting, cause of hypertension, 963 Renin-secreting renal tumor, cause of hypertension, 963 Renovascular hypertension

see Hypertension

Reticulum cell sarcoma in Sjögren's syndrome, 50

Rhabdomyolysis in renal failure due to heat injury, 435 Rupture

of chordae tendineae cause of mitral insufficiency, 822 of jejunal diverticulum (CPC), 452

Salivary gland lesions in Sjögren's syndrome, 50 Sarcoidosis with Landry-Guillain-Barré syndrome and clinical response to corticosteroids, 181 Sarcoma, reticulum cell, in Sjögren's syndrome, 30

Schistosomiasis, portopulmonary, 944

VOL. 43, DECEMBER 1967

Sephardic Jews, familial Mediterranean fever in, 227 Septal defect, ventricular, spontaneous closure of, 846

Sequoiosis, granulomatous pneumonitis, 785 Shock, fever and coma caused by systemic Torulopsis

glabrata infection, 151 Shunts, pulmonary artery to vein, in pulmonary disease, 178

Siriasis (CPC), 113

Sjögren's syndrome

abnormalities associated with, 50

macroglobulinemia and vasculitis in, 609

Sodium excretion, control with normal and reduced nephron population (E), 313

Sodium phosphate, neutral, in adult phosphate diabetes and Fanconi syndrome, 508

Splenectomy in idiopathic acquired autoimmune hemolytic anemia, 254

Symposium on thyrocalcitonin, 645-726

Chemical properties of porcine thyrocalcitonin, 663

Discovery and pharmacologic evaluation of thyrocalcitonin, 678

Foreword, 645

Hormonal control of hypercalcemia, historic development of the calcitonin concept, 648

Progress on isolation of porcine thyrocalcitonin, 656

Roentgenologic and histologic changes in bone produced by thyrocalcitonin, 691

Regulation of bone resorption and formation; influences of thyrocalcitonin, parathyroid hormone, neutral phosphate and vitamin D₃, 696

Thyrocalcitonin: partition on carboxymethyl-Sephadex C-25 and characterization by disc gel electrophoresis, 668

Thyrocalcitonin and bone resorption; studies employing a tissue culture bioassay, 684

Thyrocalcitonin, osteoporosis and osteolysis, 711

Takayasu's arteriopathy, 15

Tertiary hyperparathyroidism induced by osteomalacia resulting from phosphorus depletion, 136

Tetracycline therapy, fatty liver of pregnancy following (CPC), 274

Third factor, pre-eminence of (E), 313

Thrombopathia

see also Platelet factor 3 deficiency

differentiation from Glanzmann's thrombasthenia and von Willebrand's disease, 570

Thrombotic thrombocytopenic purpura in siblings, 294
Thrombus in hepatic vein, symptom of Budd-Chiari
syndrome, 544

Thyrocalcitonin

and bone resorption studied by tissue culture bioassay, 684

bone changes produced by, 691, 791

discovery and pharmacologic evaluation of, 678 influence on bone resorption and formation, 696

osteoporosis and osteolysis, 711

partition and characterization of, 668 pharmacologic evaluation of, 678

Thyrocalcitonin

porcine

chemical properties of, 662 progress on isolation of, 656

symposium on, 645-626

Thyroid antibodies in juvenile myxedema and myasthenia gravis, 956

Thyroid gland enlargement in amyloid goiter and primary amyloidosis, 604

Thyroid stimulator, long-acting, relationship to Graves' disease, 486

Tissue culture bioassay in study of thyrocalcitonin and bone resorption, 684

Torulopsis glabrata infection causing shock, fever and coma, 151

Transfusions, leukocyte, usefulness and complications of,

Transplantation, renal, complicated by fungal infections,

Tumor

in hepatic vein, symptom of Budd-Chiari syndrome,

renin-secreting renal, as cause of hypertension, 963

Urate

homeostasis in normal man, renal-mechanism of, 868,

tubular secretion of, measured by pyrazinamide, 876,

Vascular obstruction, pulmonary, in systemic arteriovenous fistula, 304

Vasculitis in Sjögren's syndrome, 609

Vein shunts, pulmonary artery to, in obstructive pulmonary disease, 178

Venography, hepatic, in diagnosis of Budd-Chiari syndrome, 544

Ventricular septal defect, spontaneous closure of, 846 Viruses and kidney disease, 897

Visual disturbances, early manifestation of primary macroglobulinemia, 394

Vitamin B₁₂ deficiency following partial gastrectomy, 555 Vitamin D3, influence on bone resorption and formation,

von Willebrand's disease differentiated from thrombopathia by platelet factor 3 deficiency, 570

Waldenström's macroglobulinemia, 394 immunoglobulin abnormalities in, 66

Weakness, manifestation of primary macroglobulinemia,

Wolff-Parkinson-White syndrome, familial, with cardiomyopathy, 951

X-ray therapy for acromegaly, 383 in lung cancer, 186

CONTENTS OF VOLUME 43

July

Genetic Polymorphism of γ -Globulins in Man	Edward C. Franklin .	. 1
Long-Term Follow-Up Study of Periarteritis Nodosa	Peter P. Frohnert	:} 8
Primary Arteritis of the Aorta and Its Main Branches (Takayasu's Arteriopathy). A Clinicopathologic Autopsy Study of Eight Cases	Kamolwat Vinijchaikul .	. 15
Systemic Fungal Infections Complicating Renal Transplantation and Immunosuppressive Therapy. Clinical, Microbiologic, Neurologic and Pathologic Features	David Rifkind	28
Listeriosis Complicating Lymphoma. Report of Four Cases and Interpretive Review of Pathogenetic Factors	John F. Simpson John P. Leddy J. Donald Hare	39
Extrasalivary Lymphoid Abnormalities in Sjögren's Syndrome (Reticulum Cell Sarcoma, "Pseudolymphoma," Macroglobulinemia)	Normal Talal	50
Immunoglobulin Abnormalities in Families of Patients with Waldenström's Macroglobulinemia.	Maxime Seligmann	66
On the Nature of the Renal Concentrating Defect in Malnutrition	Saulo Klahr	84
Morphology of Fibromuscular Dysplasia of the Renal Artery in Renovascular Hypertension.	Edgar G. Harrison, Jr James C. Hunt Philip E. Bernatz	97
A Sixty-Five Year Old Woman with Heat Stroke		113
Cystinuria with Hyperuricemia and Methioninuria. Biochemical Study of a Case	J. Stanton King, Jr	} 125
Sarcoidosis with a Landry-Guillain-Barré Syndrome and Clinical Response to Corticosteroids	G. Thomas Strickland, Jr Kenneth M. Moser	} 131
"Tertiary" Hyperparathyroidism Induced by Osteomalacia Resulting from Phosphorus Depletion.	George D. Ludwig G. Clayton Kyle	136

Hyperviscosity Syndrome in Multiple Myeloma	William L. Kopp
A Human Infection Caused by an Erwinia Species	{Irving J. Slotnick } 147
Systemic Torulopsis Glabrata Infection Causing Shock, Fever and Coma	{David Katz
August	
Kinins	{Kenneth L. Melmon } 153
Use of a Beta Adrenergic Receptor Blocking Agent (Propranolol) in the Treatment of Cardiac Arrhythmias	George V. Irons, Jr
Intensity of the Normal Second Heart Sound Components in Their Traditional Auscultatory Areas.	Allen B. Weisse Mortimer L. Schwartz Alfred Heinz Frank T. Cyrsky N. Conant Webb, Jr.
Pulmonary Artery to Vein Shunts in Obstructive Pulmonary Disease	Oscar J. Balchum
A Clinical Pharmacologic Study of Chemotherapy and X-ray Therapy in Lung Cancer	Thomas C. Hall Margarida M. Dederick Thomas C. Chalmers Melvin J. Krant Bruce I. Shnider John J. Lynch James F. Holland Charles Ross C. Ronald-Koons Albert H. Owens, Jr. Emil Frei, III Clyde Brindley Sherwood P. Miller Seymour Brenner Henry F. Hosley Kenneth B. Olson
Extraosseous Lesions in Plasma Cell Myeloma. A Report of Six Cases	George A. Edwards
Study of Factors Determining the Usefulness and Complications of Leukocyte Transfusions	L. Schwartzenberg G. Mathé J. L. Amiel A. Cattan M. Schneider J. R. Schlumberger

Christmas Disease, Color-Blindness and Blood Group $\mathrm{Xg^a}$	Robert L. Wall	214
Familial Mediterranean Fever. A Survey of 470 Cases and Review of the Literature	Ezra Sohar	227
Idiopathic Acquired Autoimmune Hemolytic Anemia. A Review of Forty-Seven Cases Treated from 1955 through 1965		154
A Seventeen Year Old Girl with Fatty Liver of Pregnancy Following Tetracycline Therapy	2	74
Cruveilhier-Baumgarten (C-B) Disease. An Experiment of Nature	Joel S. Steinberg 2	84
Nephroptosis with Nocturnal Polyuria	(I. M. L. Donaldson	89
Thrombotic Thrombocytopenic Purpura in Siblings	Stanislav A. Norkin	94
Intrahepatic Arteriovenous Fistula with Pulmonary Vascular Obstruction in Osler-Rendu-Weber Disease	R. W. Childers	04
September		
The Control of Sodium Excretion with Normal and Reduced Nephron Populations. The Pre-eminence of Third Factor	Neal S. Bricker 3:	13
Chondrocalcinosis and Chondrocalsynovitis (Pseudogout Syndrome). Analysis of Twenty-Four Cases	Roland W. Moskowitz	22
Medullary Cystic Disease in Two Siblings	Roger C. Herdman	35
Nephronophthisis and Medullary Cystic Disease	Jean Guy Mongeau	45
Renal Tubular Acidosis. Three Cases with Immunoglobulin Abnormalities in the Patients and Their Kindreds	(I. Dodd Wilson	56

Plasma Renin Activity in Hypertension .

Morton C. Creditor.
Una K. Loschky

Adrenocorticotrophic Activity in Plasma of Patients with Acromegaly	Barry M. Segal
Primary Macroglobulinemia. Review with a Report on Thirty-One Cases and Notes on the Value of Continuous Chlorambucil Therapy	Ben D. McCallister Edwin D. Bayrd Edgar G. Harrison, Jr. Warren F. McGuckin
Acute Renal Failure Due to Heat Injury. An Analysis of Ten Cases Associated with a High Incidence of Myoglobinuria.	Robert M. Vertel
A Sixty-Nine Year Old Man with Severe Diarrhea.	452
Dissecting Perforation of Infarcted Interventricular Septum with Associated Posterior Papillary Muscle Involvement	161
Arteriovenous Fistula Complicating Percutaneous Renal Biopsy in Polyarteritis Nodosa	Robert E. Curran
Monocytosis in Chlorpromazine-Associated Agranulocytosis. Termination in Acute Leukemia	Peter A. Cassileth 471
October	
Function of the Hypothalamus	Seymour Reichlin 477
Relationship of Long-Acting Thyroid Stimulator to the Clinical Features and Course of Graves' Disease	Leonard M. Lipman Donald E. Green Norton J. Snyder Jerald C. Nelson David H. Solomon
Extra-adrenal Endocrine Deficiencies in Addison's Disease	Roger W. Turkington
The Treatment of Adult Phosphate Diabetes and Fanconi Syndrome with Neutral Sodium Phosphate	Charles Nagant de Deux- chaisnes
Clinical Diagnosis of the Budd-Chiari Syndrome. A Report of Six Cases	David Clain James Freston Louis Kreel Sheila Sherlock
The Hematologic Complications Following Partial Gastrectomy. A Study of 292 Patients	(J. D. Hines
Platelet Aggregation, Adhesion and Adenosine Diphosphate Release in Thrombopathia (Platelet Factor 3 Deficiency). A Comparison with Glanzmann's Thrombasthenia and von Willebrand's Disease	Harvey J. Weiss 570
Munchausen's Syndrome. Review and Report of an Additional Case	Patricia Ireland

Regulation of Bone Resorption and Formation. Influences of Thyrocalcitonin, Parathyroid Hormone, Neutral Phosphate and Vitamin D_3	Maurice M. Fechet. Eduardo Bobadilla Evelyn L. Carroll Robert H. Hesse	96
Thyrocalcitonin, Osteoporosis and Osteolysis	Howard Rasmussen	11
The Relationship of Hereditary Hyperparathyroidism to Endocrine Adenomatosis	Charles E. Jackson	27
Pathophysiology of Acute Falciparum Malaria. I. Correlation of Clinical and Biochemical Abnormalities	Marion H. Brooks John P. Malloy Peter J. Bartelloni William D. Tigertt Thomas W. Sheehy Kevin G. Barry with the technical assistance of Charles R. Johnson Thomas A. Burley Jack Brim Van B. Elliott John C. Bell	35
Pathophysiology of Acute Falciparum Malaria. II. Fluid Compartmentalization.	John P. Malloy Marion H. Brooks Kevin G. Barry with the technical assistance of Sandra Wilt James S. McNeil	5
Congenital Deficiency of Factor XIII (Fibrin-Stabilizing Factor). Report of a Case and Review of the Literature	Anthony F. H. Britten 75	1
	Theodore Cohen	2
Corticosteroid-Responsive Acquired Pure Red Cell Aplasia in Adults.	Harvey E. Finkel	1
Protein-Losing Enteropathy Associated with Gastrointestinal Allergy	Norton J. Greenberger	7
Sequoiosis. A Granulomatous Pneumonitis Associated with Redwood Sawdust Inhalation	Herbert I. Cohen	5
Recurrent Cholestatic Jaundice of Pregnancy with Demonstrated Estrogen Sensitivity	Mary Jeanne Kreek	5
Asymptomatic Hypovolemic Hypernatremia. A Variant of Essential Hypernatremia	Morris Goldberg Gilbert Weinstein Jerome Adesman Sheldon J. Bleicher	4

ix S. M. Rab . Noor Alam . Amoebic Liver Abscess. Some Unique Presentations Ahmed Nagui Hoda Amah Yee . . . December Interferon's Promise in Clinical Medicine. Fact or Fancy? Thomas C. Merigan, Jr. . Arthur Selzer John J. Kelly, Jr. . The Syndrome of Mitral Insufficiency Due to Isolated Rupture M. Vannitamby 822 Pamela Walker. Frank Gerbode . William J. Kerth D. A. Ogden K. A. Porter P. I. Terasaki . Chronic Renal Homograft Function. Correlation with Histology 837 and Lymphocyte Antigen Matching T. L. Marchioro J. H. Holmes . T. E. Starzl . Complete Spontaneous Closure of Ventricular Septal Defect. (D. Luke Glancy. William C. Roberts. Charles B. Carpenter Alterations in Human Serum \$1c-Globulin (C'3) in Renal Trans-Thomas J. Gill, III 854 John P. Merrill plantation. Gustave J. Dammin Thomas H. Steele . The Renal Mechanism for Urate Homeostasis in Normal Man Richard E. Rieselbach The Contribution of Residual Nephrons Within the Chronically \(Thomas H. Steele \). Richard E. Rieselbach Diseased Kidney to Urate Homeostasis in Man. Edward T. Schroeder Renal Failure in Patients with Cirrhosis of the Liver. III. Evalua-Leroy Shear . . . tion of Intrarenal Blood Flow by Para-aminohippurate Extrac-Salvatore M. Sancetta tion and Response to Angiotensin George J. Gabuzda . Viruses and Kidney Disease Marcus M. Jensen . Multiple Myeloma. 912 Quadrivalvular Rheumatoid Heart Disease Associated with Left Deborah F. Carpenter William C. Roberts. L. Fred Ayvazian Dorothy S. Steward. Diffuse Lipoid Pneumonitis Successfully Treated with Prednisone. 930 Carl G. Merkel. Walter W. Frederick

Adult Hypogammaglobulinemia with Malabsorption and Iron

Deficiency Anemia

R. L. Johnson .

P. P. VanArsdel, Jr.

A. D. Tobe. Y. Ching . .

The Syndrome of Portopulmonary Schistosomiasis	E. Macieira-Coelho
Familial Wolff-Parkinson-White Syndrome with Cardiomyopathy	R. A. Massumi 95
Idiopathic Juvenile Myxedema and Myasthenia Cravis. A Case with Circulating Thyroid and Skeletal Muscle Antibodies	David Bronsky
Hypertension Due to a Renin-Secreting Renal Tumor	P. W. Robertson A. Klidjian L. K. Harding G. Walters M. R. Lee A. H. T. Robb-Smith
Author Index	
Subject Index	970

